

Recombinant Human PCDHGB1 cell lysate

Cat. No. PCDHGB1-1306HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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GENE INFORMATION

Gene Name	PCDHGB1 protocadherin gamma subfamily B, 1 [Homo sapiens]
Official Symbol	PCDHGB1
Synonyms	PCDHGB1; protocadherin gamma subfamily B, 1; protocadherin gamma-B1; PCDH GAMMA B1; protocadherin gamma subfamily B; 1; isoform 2; protocadherin gamma subfamily B, 1, isoform 2; PCDH-GAMMA-B1; MGC119466; MGC119467; MGC119469;
Gene ID	56104
mRNA Refseq	NM_018922
Protein Refseq	NP_061745
MIM	606299
UniProt ID	Q9Y5G3
Chromosome Location	5q31
Function	calcium ion binding;

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